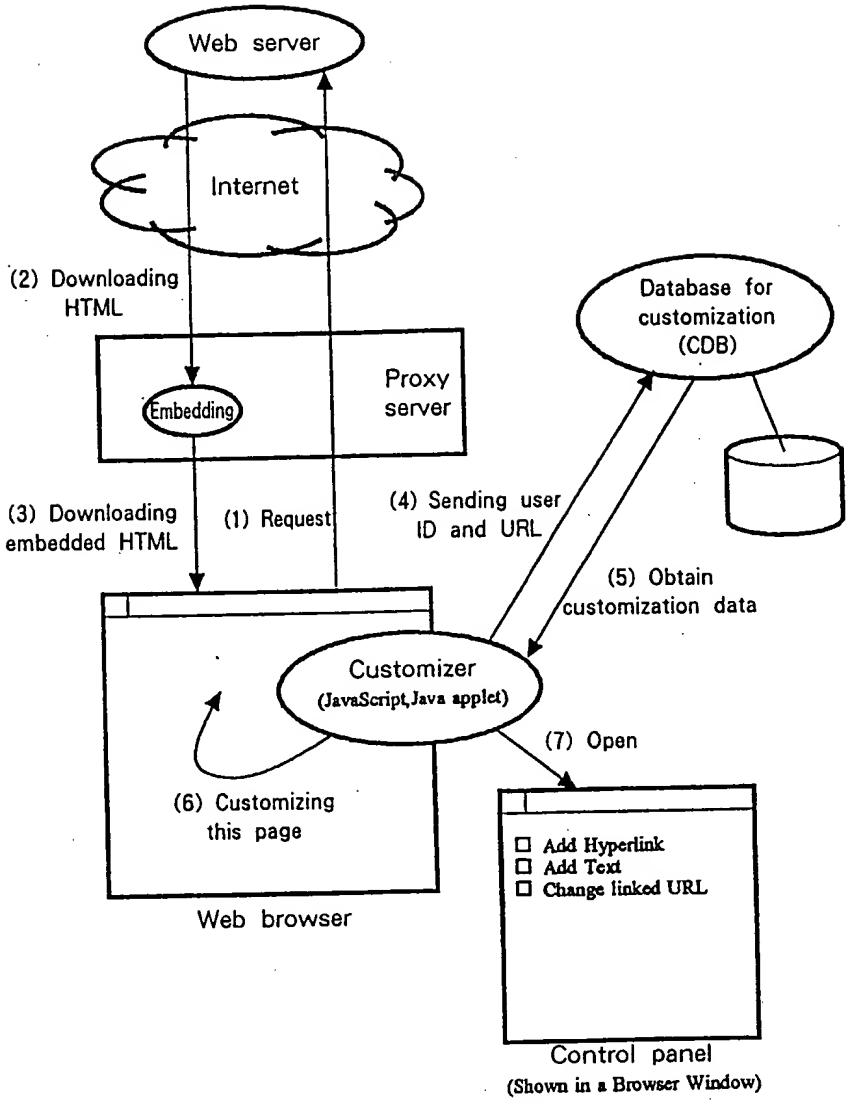

Web server
Internet
(2) Downloading HTML
Database for customization (CDB)
Proxy server
Embedding
(3) Downloading embedded HTML
(1) Request
(4) Sending user ID and URL
(5) Obtain customization data
Customizer
(JavaScript,Java applet)
(7) Open
(6) Customizing this page
Add Hyperlink
Add Text
Change linked URL
Web browser
Control panel
(Shown in a Browser Window)

Fig. 1

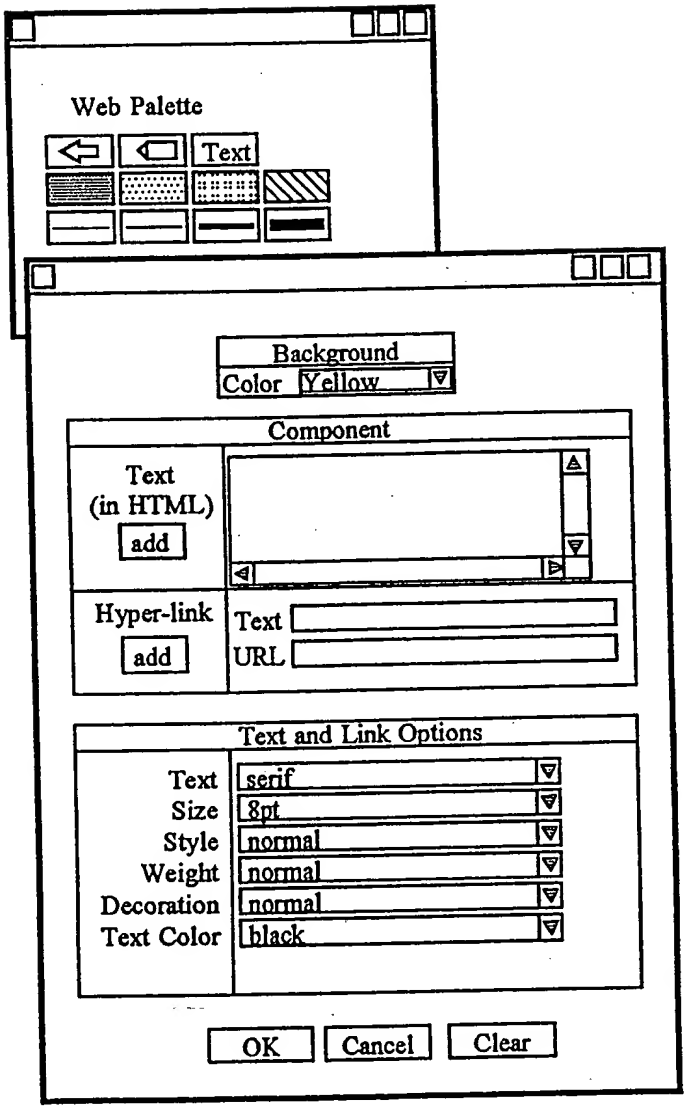
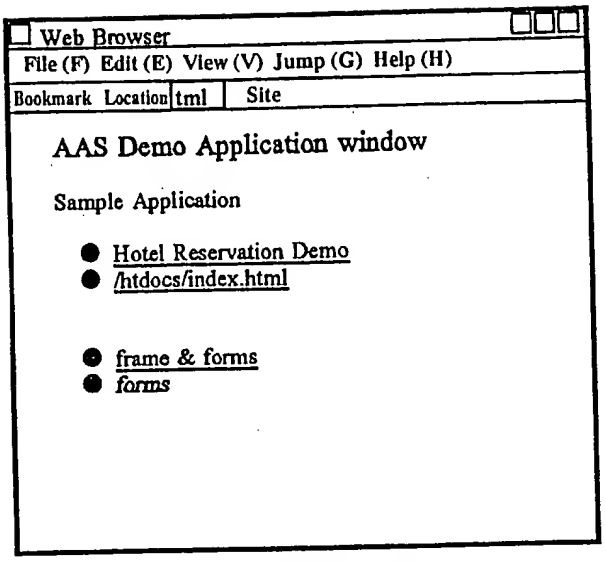
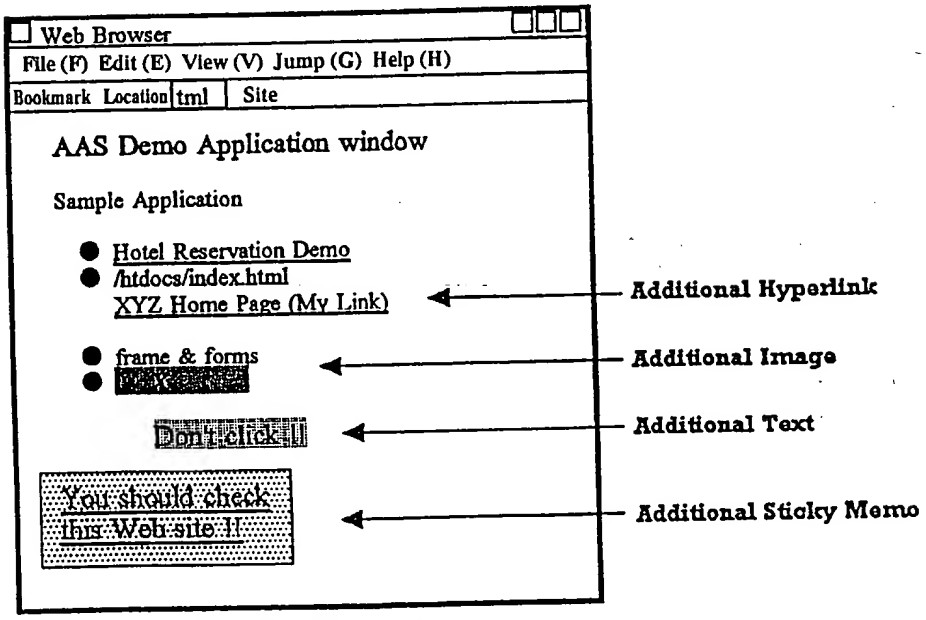

Web Palette
Text
Background
Color Yellow
Component
Text
(in HTML)
add
Hyper-link
add
Text
URL
Text and Link Options
Text serif
Size 8pt
Style normal
Weight normal
Decoration normal
Text Color black
OK
Cancel
Clear

Fig. 2



Original Web page

Fig. 3



Customized Web page

Fig. 4

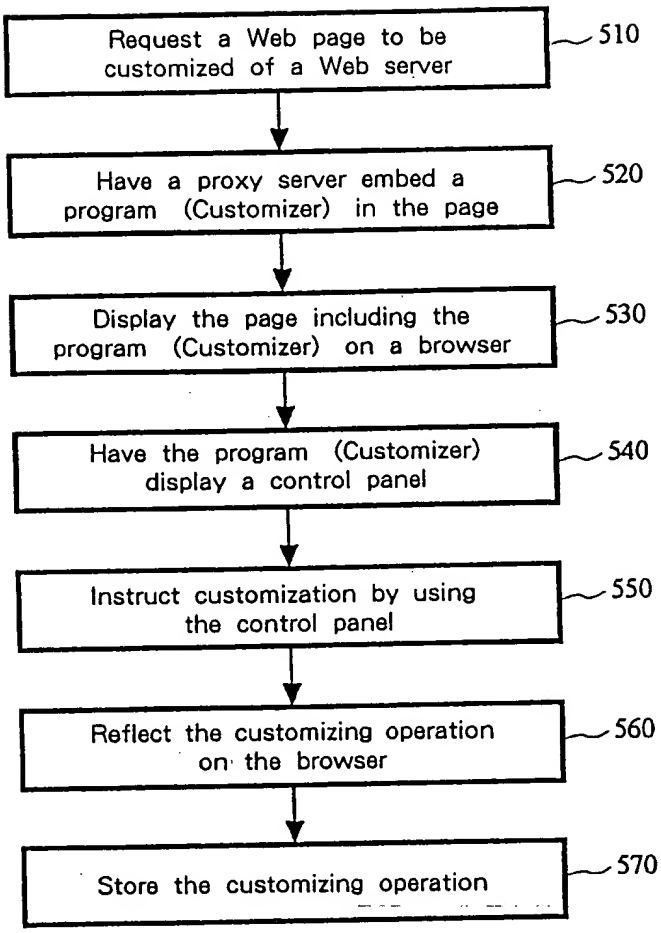

Request a Web page to be customized of a Web server
510
Have a proxy server embed a program (Customizer) in the page
520
Display the page including the program (Customizer) on a browser
530
Have the program (Customizer) display a control panel
540
Instruct customization by using the control panel
550
Reflect the customizing operation on the browser
560
Store the customizing operation
570

Fig. 5

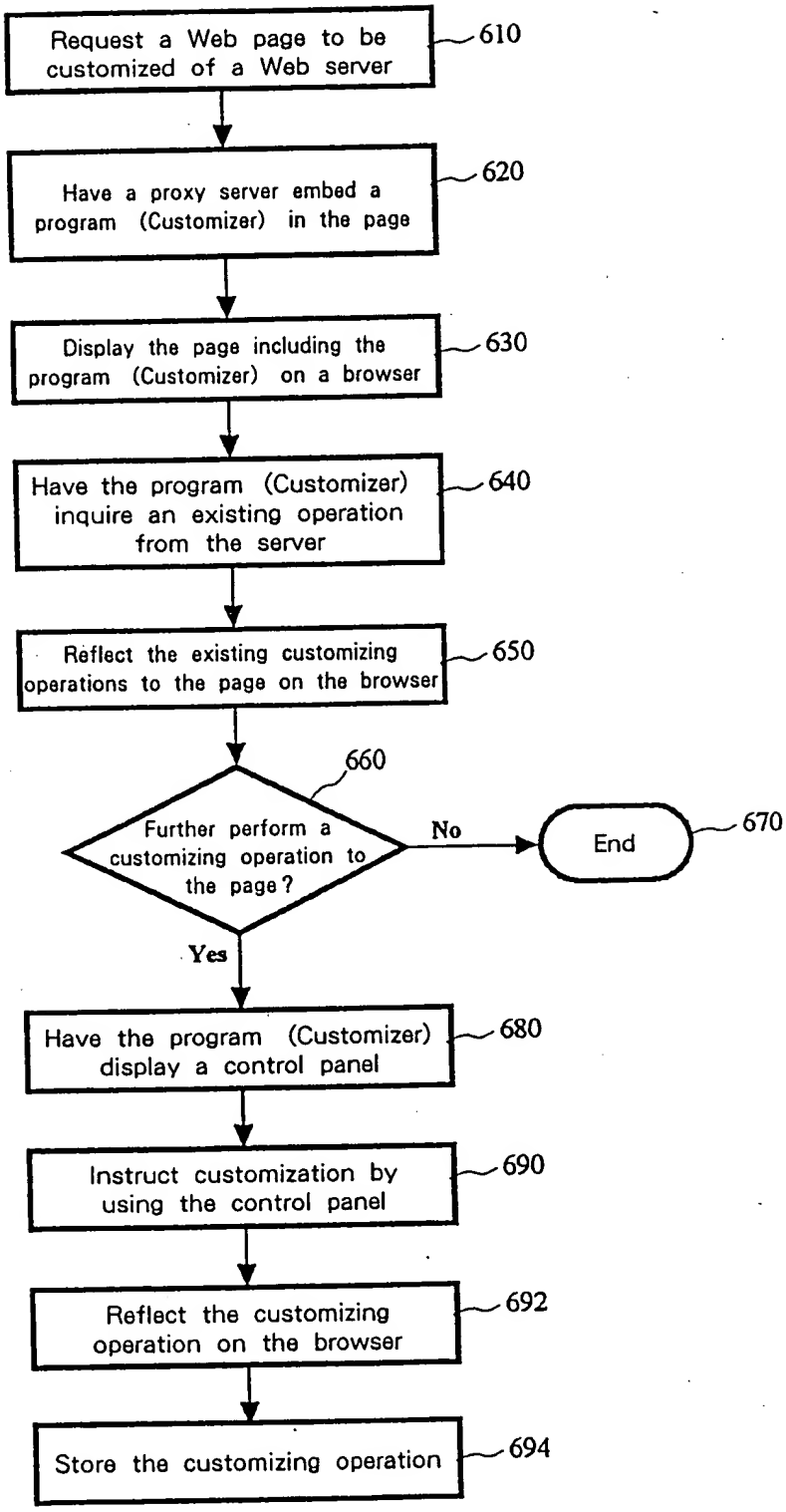

Request a Web page to be customized of a Web server
610
Have a proxy server embed a program (Customizer) in the page
620
Display the page including the program (Customizer) on a browser
630
Have the program (Customizer) inquire an existing operation from the server
640
Reflect the existing customizing operations to the page on the browser
650
660
Further perform a customizing operation to the page?
No
End
670
Yes
Have the program (Customizer) display a control panel
680
Instruct customization by using the control panel
690
Reflect the customizing operation on the browser
692
Store the customizing operation
694

Fig. 6

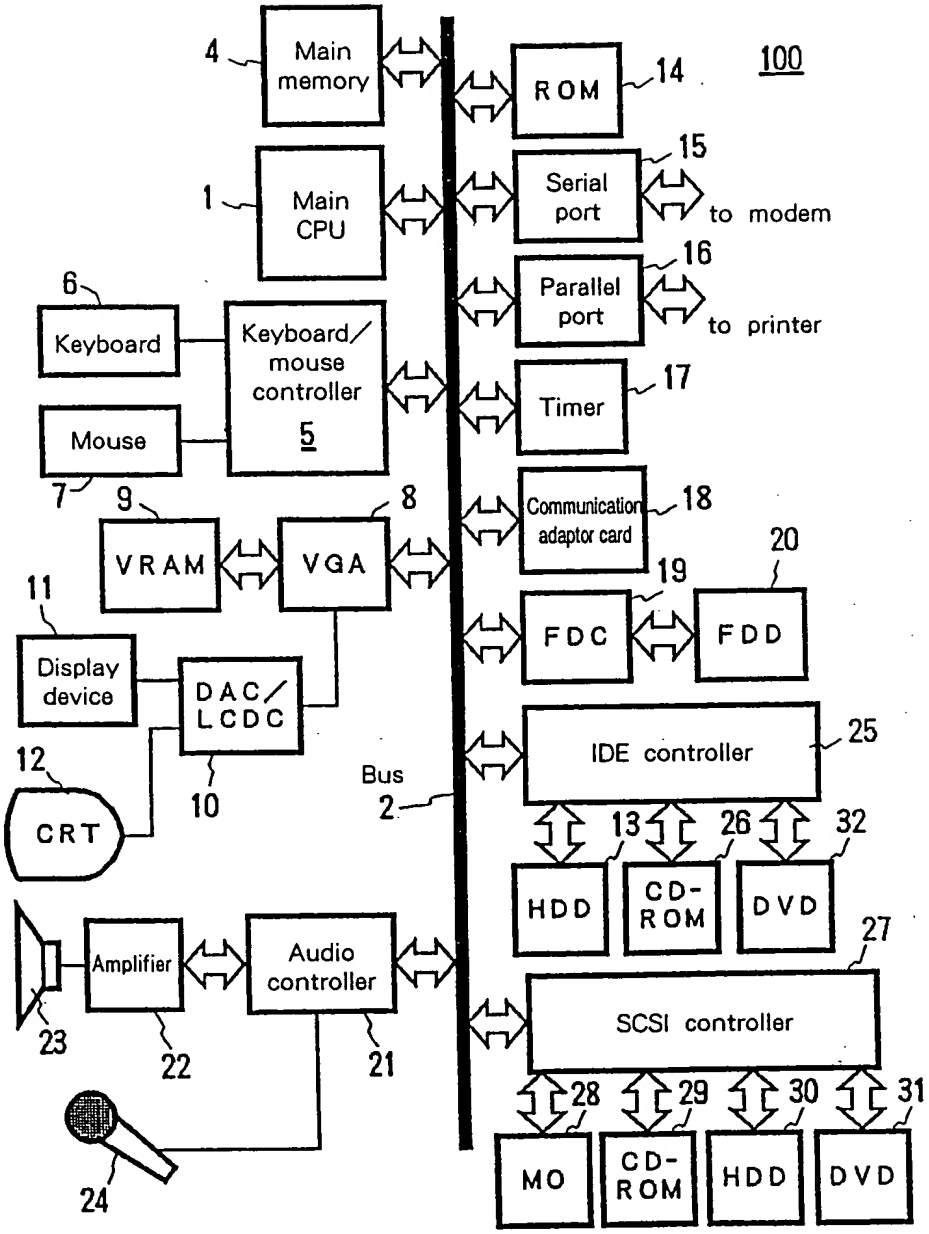

4
Main memory
1
Main CPU
6
Keyboard
Mouse
7
Keyboard/ mouse controller
5
9
VRAM
8
VGA
11
Display device
DAC/ LCDC
10
12
CRT
Bus
2
Amplifier
23
22
Audio controller
21
24
ROM
14
100
Serial port
15
to modem
Parallel port
16
to printer
Timer
17
Communication adaptor card
18
20
FDC
19
FDD
IDE controller
25
13
26
32
HDD
CD-ROM
DVD
27
SCSI controller
28
29
30
31
MO
CD-ROM
HDD
DVD

Fig. 7